Optimised coral reconstructions of the Indian Ocean Dipole: an assessment of location and length considerations

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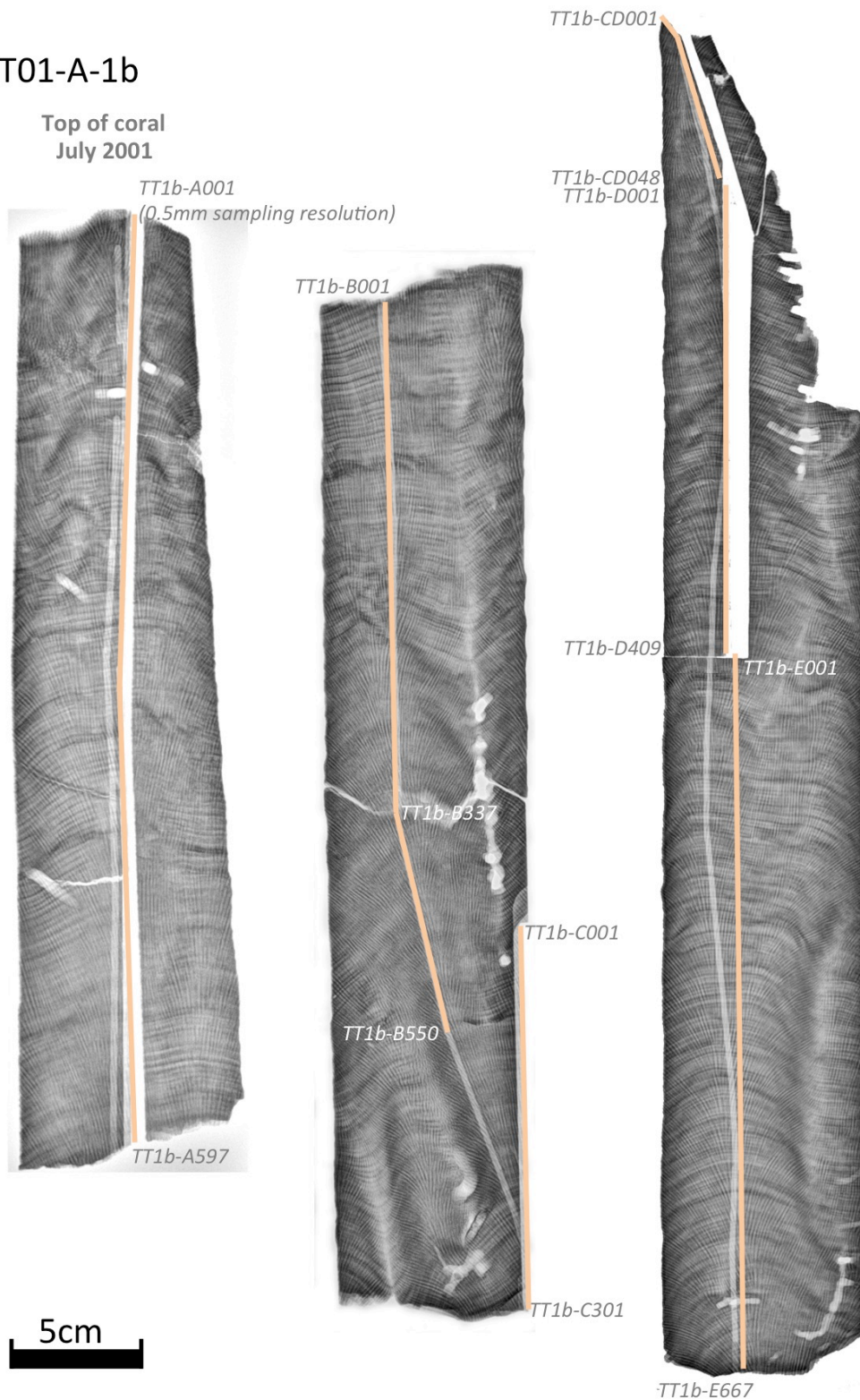
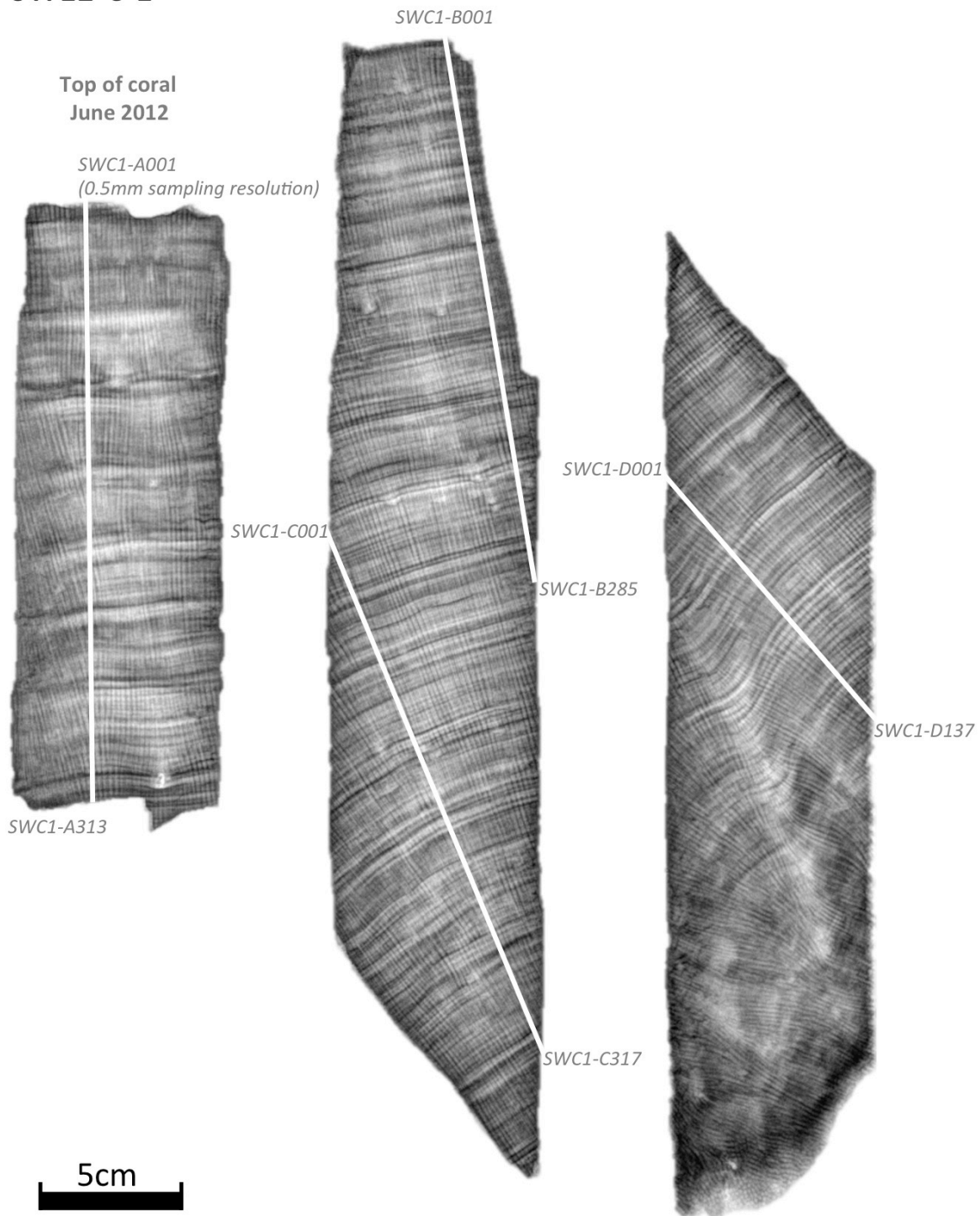## Contents of this file

Introduction

The supporting information for this manuscript shows the x-ray images and sampling transects for the two new coral records presented in this study: TT01-A-1b and SW12-C-1. The coral $\delta^{18}O$ data from this corals is available for download at the World Data Center for Paleoclimatology

Figure S1. X-ray positive images (dark = higher density) of modern *Porites* coral TT01-A-1b from South Pagai Island showing annual density bands. Orange lines mark sampling transects used for high-resolution δ¹⁸O analysis. High-resolution samples were milled at 0.5mm resolution for all transects except CD, where samples were drilled at ~2mm resolution due to the awkward geometry of the coral piece. Other sampling tracks visible on the x-ray images show earlier low-resolution sampling transects.

SW12-C-1

Top of coral
June 2012

SWC1-B001

SWC1-A001
(0.5mm sampling resolution)

SWC1-D001

SWC1-C001

SWC1-B285

SWC1-A313

SWC1-D137

SWC1-C317

5cm

Figure S2. X-ray positive images (dark = higher density) of modern *Porites* coral SW12-C-1 from Sunda Strait showing annual density bands and locations of sampling transects (white lines) used for high-resolution δ^{18}O analysis. High-resolution samples were milled at 0.5mm resolution for all transects.